

## SOURCES OF ORDERING



Vernier  
Sargent Welch  
WalMart  
Dollar Store  
Canadian Tire  
Home Depot  
Our homes  
School (work shop)  
Staples

## STRETCHING THE DOLLARS

Discount stores  
Recycled items  
Sharing between  
schools/departments  
Scavenging  
Free items (from outreach  
initiatives)  
Habitat for Humanity  
Cohen and Cohen



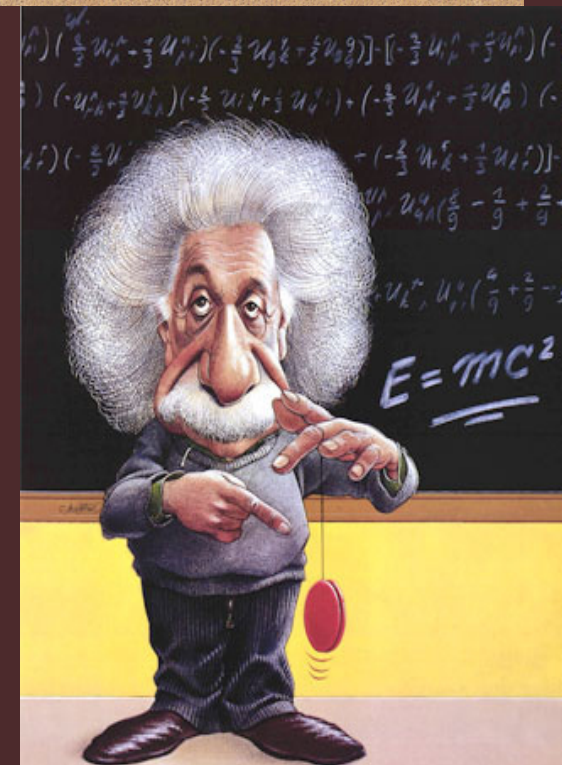
## OUTFITTING THE PHYSICS DEPT

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## Outfitting the Physics Dept

FOR  
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PED 4126  
FEBRUARY 26, 2010



## Outfitting the Physics Department

This handout is based on the rationale behind the process of determining a budget and what should be included. The following includes a \$50,000 budget and how the money would be divided among the SPH3U and SPH4U courses across each strand. We have addressed strand A separately. In addition we have included a list of prioritizations that would be taken into account if the budget were to be reduced by \$25,000.

### PROPOSED BREAKDOWN

Strand	SPH 3U Budget	SPH 4U Budget
B	\$5,000.00	\$5,000.00
C	\$5,000.00	\$5,000.00
D	\$5,000.00	\$5,000.00
E	\$5,000.00	\$5,000.00
F	\$5,000.00	\$5,000.00
Total	\$25,000.00	\$25,000.00

### ACTUAL BREAKDOWN

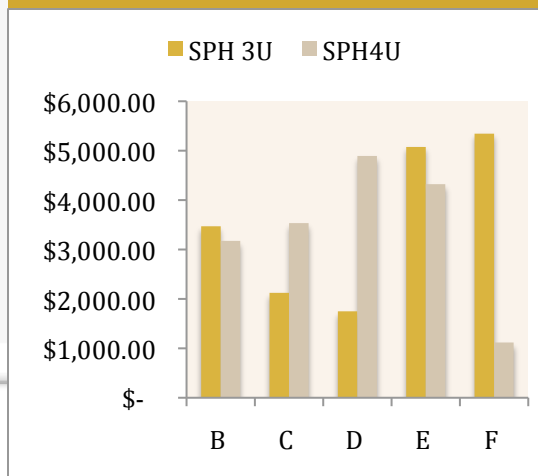
<b>Course Totals</b>	\$17,761.00
Textbooks	\$4,305.00
Utility Cart	\$350.00
Annual Operational Costs After First Year	\$14,704.00
<b>Grand Total</b>	<b>\$ 44 676.00</b>

## Prioritization

Modification of Budget to satisfy \$25,000.00

- Teacher can assess the effectiveness of each individual lab, and remove low-priority labs to reduce the budget from \$50,000.00 to \$ 25,000.00
- Teacher can do more Demos, as opposed to full-class labs. This will allow the teacher to remove certain class-sets of materials
- Instead of doing the more costly labs (Magnetic Force on a Moving Charge uses a Cathode Ray tube for \$1,200.00), teacher can show a video that demonstrates this lab instead
- Put students into groups of 3 or more, instead of individual or partnered labs

### ACTUAL BREAKDOWN



## Individual Costs

We split our budget spreadsheet into...

- Individual spreadsheets for each strand
- Master Budget spreadsheet which includes:
  - Item
  - Source of Information/ordering
  - Quantity
  - Unit cost
  - Taxes
  - First year cost of purchasing said item
  - Life expectancy
  - Annual operational cost
  - Prioritization (color coded)

## Strand A...

### SPH 3U/SPH 4U

This is addressed in:

- all lab reports (using materials, collecting data, researching, organizing, documenting, and analyzing)
- contributions of Canadian scientists
- careers
- field trips (Carleton lab, Science museum, NRC)
- guest speakers (Let's Talk Science)
- culminating activities

